

fragmenting dried leaves of *Gymnema sylvestre* to produce fragmented, dried leaves;  
steeping the fragmented, dried leaves in an aqueous solution comprising one or more high  
polarity organic solvents for at least 24 hours to produce an extract;  
acidifying the extract to a pH of about 3.0 or below to produce a first acidified extract;  
and  
discarding a water soluble fraction of the first acidified extract and collecting the  
precipitate.

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17. <sup>4</sup> (Amended) A method for treating impaired glucose tolerance, comprising administering [the] a composition isolated from the leaves of *Gymnema sylvestre* by: [of claim 1]  
fragmenting dried leaves of *Gymnema sylvestre* to produce fragmented, dried leaves;  
steeping the fragmented, dried leaves in an aqueous solution comprising one or more high  
polarity organic solvents for at least 24 hours to produce an extract;  
acidifying the extract to a pH of about 3.0 or below to produce a first acidified extract;  
and  
discarding a water soluble fraction of the first acidified extract and collecting the  
precipitate.

18. <sup>5</sup> (Amended) A method for regenerating the pancreatic islets of Langerhans, comprising administering [the] a composition isolated from the leaves of *Gymnema sylvestre* by: [of claim 1]  
fragmenting dried leaves of *Gymnema sylvestre* to produce fragmented, dried leaves;  
steeping the fragmented, dried leaves in an aqueous solution comprising one or more high  
polarity organic solvents for at least 24 hours to produce an extract;  
acidifying the extract to a pH of about 3.0 or below to produce a first acidified extract;  
and  
discarding a water soluble fraction of the first acidified extract and collecting the  
precipitate.

a<sup>2</sup> 18. (Amended) A method for regenerating the pancreatic beta cells, comprising administering [the] a composition isolated from the leaves of *Gymnema sylvestre* by: [of claim 1]  
fragmenting dried leaves of *Gymnema sylvestre* to produce fragmented, dried leaves;  
steeping the fragmented, dried leaves in an aqueous solution comprising one or more high  
polarity organic solvents for at least 24 hours to produce an extract;  
acidifying the extract to a pH of about 3.0 or below to produce a first acidified extract;  
and  
discarding a water soluble fraction of the first acidified extract and collecting the  
precipitate.

a<sup>3</sup> 19. (Amended) A method for increasing endogenous insulin levels in a patient, comprising administering [the] a composition isolated from the leaves of *Gymnema sylvestre* by: [of claim 1]  
fragmenting dried leaves of *Gymnema sylvestre* to produce fragmented, dried leaves;  
steeping the fragmented, dried leaves in an aqueous solution comprising one or more high  
polarity organic solvents for at least 24 hours to produce an extract;  
acidifying the extract to a pH of about 3.0 or below to produce a first acidified extract;  
and  
discarding a water soluble fraction of the first acidified extract and collecting the  
precipitate.

a<sup>4</sup> 20. (Amended) A method for increasing the production of proinsulin in a patient, comprising administering [the] a composition isolated from the leaves of *Gymnema sylvestre* by: [of claim 1]  
fragmenting dried leaves of *Gymnema sylvestre* to produce fragmented, dried leaves;  
steeping the fragmented, dried leaves in an aqueous solution comprising one or more high  
polarity organic solvents for at least 24 hours to produce an extract;  
acidifying the extract to a pH of about 3.0 or below to produce a first acidified extract;  
and